# **EAST Search History**

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	582	514/362.ccls.	US-PGPUB; USPAT	OR .	OFF	2007/10/17 14:39
L2 .	81	514/362.ccls. and 514/255.05.ccls.	US-PGPUB; USPAT	OR	OFF	2007/10/17 14:39
L4	3	514/362.ccls. and 514/255.05.ccls. and 514/278.ccls. and 546/16.ccls.	US-PGPUB; USPAT	OR	OFF	2007/10/17 14:39
L5	3	514/362.ccls. and 514/255.05.ccls. and 514/278.ccls. and 546/16.ccls. and 548/126.ccls.	US-PGPUB; USPAT	OR	OFF	2007/10/17 14:39
S1	1	("7041689").PN.	USPAT; USOCR	OR	OFF	2007/10/17 14:38
S2	1	("7138400").PN.	USPAT; USOCR	OR	OFF	2007/10/17 13:52
S3	1	("7282513").PN.	USPAT; USOCR	OR	OFF	2007/10/17 13:52

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PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS 3 JUL 02 SCISEARCH enhanced with complete author names
         JUL 02 CHEMCATS accession numbers revised
NEWS 4
         JUL 02 CA/CAplus enhanced with utility model patents from China
NEWS 5
         JUL 16 CAplus enhanced with French and German abstracts
NEWS 6
     7
         JUL 18 CA/CAplus patent coverage enhanced
NEWS
         JUL 26 USPATFULL/USPAT2 enhanced with IPC reclassification
NEWS
NEWS 9
         JUL 30 USGENE now available on STN
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                CAS REGISTRY enhanced with new experimental property tags
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                 BEILSTEIN updated with new compounds.
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                 Full-text patent databases enhanced with predefined
        AUG 27
                 patent family display formats from INPADOCDB
NEWS 16
        AUG 27
                 USPATOLD now available on STN
NEWS 17 AUG 28
                 CAS REGISTRY enhanced with additional experimental
                 spectral property data
                 STN AnaVist, Version 2.0, now available with Derwent
NEWS 18
         SEP 07
                 World Patents Index
                 FORIS renamed to SOFIS
         SEP 13
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         SEP 13
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                 INPADOCDB enhanced with monthly SDI frequency
NEWS 21
         SEP 17
                 CA/CAplus enhanced with printed CA page images from
                 1967-1998
         SEP 17
                 CAplus coverage extended to include traditional medicine
NEWS 22
                 patents
NEWS 23
        SEP 24
                 EMBASE, EMBAL, and LEMBASE reloaded with enhancements
         OCT 02
                 CA/CAplus enhanced with pre-1907 records from Chemisches
NEWS 24
                 Zentralblatt
NEWS EXPRESS 19 SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2,
             CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
             AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.
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FILE 'HOME' ENTERED AT 13:44:52 ON 17 OCT 2007

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FULL ESTIMATED COST

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TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

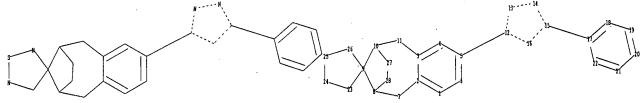
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chain bonds : 5-12 15-17

ring bonds :

1-2 1-6 2-3 2-7 3-4 3-11 4-5 5-6 7-8 8-9 8-28 9-10 9-23 9-26 10-11 10-27 12-13 12-16 13-14 14-15 15-16 17-18 17-22 18-19 19-20 20-21 21-22 23-24 24-25 25-26 27-28

exact/norm bonds :

2-7 3-11 7-8 8-9 8-28 9-10 9-23 9-26 10-11 10-27 12-13 12-16 13-14 14-15 15-16 23-24 24-25 25-26 27-28

exact bonds :

5-12 15-17

normalized bonds :

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom 20:Atom 21:Atom 22:Atom 23:Atom 24:Atom 25:Atom 26:Atom 27:Atom 28:Atom

# L1 STRUCTURE UPLOADED

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L1 HAS NO ANSWERS

L1 STR

Structure attributes must be viewed using STN Express query preparation.

=> s 11

SAMPLE SEARCH INITIATED 13:45:42 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 3 TO ITERATE

100.0% PROCESSED 3 ITERATIONS 2 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE \*\*COMPLETE\*\*

BATCH \*\*COMPLETE\*\*

PROJECTED ITERATIONS: 3 TO 163

PROJECTED ANSWERS: 2 TO 124

L2 2 SEA SSS SAM L1

=> s 11 full

FULL SEARCH INITIATED 13:45:45 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 65 TO ITERATE

100.0% PROCESSED 65 ITERATIONS 40 ANSWERS

SEARCH TIME: 00.00.01

L3 40 SEA SSS FUL L1

=> fil caplus

COST IN U.S. DOLLARS SINCE FILE TOTAL ENTRY SESSION

FULL ESTIMATED COST 172.31

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L4 3 L3

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L4 ANSWER 1 OF 3
ACCESSION NUMBER:
DOCUMENT NUMBER:
10:406804
A preparation of cyclic sulfamide derivatives, useful as y-secretase inhibitors
COllins, Ian James; Hannam, Joanne Clare, Harrison, Timothy; Madin, Andrew; Ridgill, Mark Peter Merck Sharp & Johne Limited, UK
PCT Int. Appl., 32 pp.
CODEN: PIXXD2
DOCUMENT TYPE:

CAPTURE 2074 ACS On STN
Accessing Collins, US
DOCUMENT TYPE:

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Accessing Collins
Appl. Appl.

COLLINS, James; Hannam, Joanne Clare, Harrison, Timothy; Madin, Andrew; Ridgill, Mark Peter
Merck Sharp & Johne Limited, UK
PCT Int. Appl., 32 pp.
CODEN: PIXXD2
Patent

DOCUMENT TYPE: Patent English

FAMILY ACC. NUM. COUNT:

PATENT	INFOR	MATI	ON:															
PATENT NO.					KIND DATE			APPLICATION NO.					DATE					
WO	2004	0398	00		A1		2004	0513		WO 2	003-	GB47	28		2	0031	031	
	W:	AE,	AG,	AL,	AM,	ΑT,	AU,	ΑZ,	BA,	BB,	BG,	BR,	BY,	ΒZ,	CA,	CH,	CN,	
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EP	1611																	
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US	2006	1355	70		A1		2006	0622		US 2	005-	5332	72		2	0050	428	
PRIORIT	Y APP	LN.	INFO	. :							002-							
										WO 2	003-	GB47	29	1	# 2·	0031	031	
OTHER S	OURCE	(S):			MAR	PAT	140:	4068	04									

GI

STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT \*

AB The invention relates to cyclic sulfamide derivs. of formula I wherein: the pyrazole group is attached at 2- or 3-position of the benzene ring; X = H, OH, Cl-4 alkoxy, Cl, or F; Ar is a Ph or 6-membered heteroaryl, either of which bears 0-3 substituents independently selected from halogen, CF3, or NO2, etc.; Rl is a hydrocarbon group of 1-5 carbon atoms which is optionally substituted with up to 3 halogen atoms; R2 is H or a hydrocarbon group of 1-10 carbon atoms which is optionally substituted with up to 7 halogen atoms; which is optionally substituted with up to 7 halogen atoms; when X is H, R2 is not 2,2,2-trifluorecthyl) as y-secretase inhibitors, useful for treatment or prevention of Alzheimer's disease. For treating or preventing Alzheimer's disease, a suitable dosage level of the invented compds. is about 0.05 to 50 my/kg of body weight per day (ED50 < 100 nM). For instance, cyclic sulfamide derivative

vative
II was prepared from the prepared intermediate III and allylamine in DMSO at 100 °C in a sealed tube with a yield of 84%. 689254-81-7P 689254-86-2P 689254-93-1P

L4 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

689254-97-5 CAPLUS
Spiro[6,9-methanobenzocyclooctene-11,3'-[1,2,5]thiadiazolidine],
5'-cyclobuty1-2-[5-(4-fluoropheny1)-1-methy1-1H-pyrazol-3-y1)-5,6,7,8,9,10-hexahydro-, 1',1'-dixide, (3'R,65,9R)-rel- (CA INDEX NAME)

Relative stereochemistry.

689255-02-5 CAPLUS
Spirof6, 9-methanobenzocyclooctene-11, 3'-[1, 2, 5] thiadiazolidine],
2-[5-(4-fluorophenyl)-1-methyl-1H-pyrazol-3-yl]-5, 6, 7, 8, 9, 10-hexahydro-5'(phenylmethyl)-, 1',1'-dioxide, (3'R, 65, 9R)-rel- (CA INDEX NAME)

Relative stereochemistry.

ANSWER 1 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)
689254-97-5P 689255-02-5P 689255-06-9P
689255-14-9P 689255-21-8P 689255-26-3P
689255-30-3P 689255-38-7P 689255-45-6P
689255-50-3P 689255-54-7P 689255-57-0P
689255-60-5P 689255-56-94P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
(Uses) (Uses) . 
(prepn. of cyclic sulfamides for inhibition of  $\gamma$ -secretase) 
689254-81-7 CAPLUS 
Spiro[6,9-methanobenzocyclooctene-11,3'-[1,2,5]thiadiazolidine], 
2-[5-(4-fluorophenyl)-1-methyl-1H-pyrazol-3-yl]-5,6,7,8,9,10-hexahydro-5'-(2-propenyl)-, 1',1'-dioxide, (3'R,6S,9R)-rel- (9CI) (CA INDEX NAME)

689254-86-2 CAPLUS
Spirof6,9-methanobenzocyclooctene-11,3'-[1,2,5]thiadiazolidine),
2-[5-(4-fluoropheny)-1-methyl-1H-pyrazol-3-yl]-5,6,7,8,9,10-hexahydro-5'-propyl-, 1',1'-dioxide, (3'R,6S,9R)-rel- (CA INDEX NAME)

Relative stereochemistry.

689254-93-1 CAPLUS
Spiro(6,9-methanobenzocyclooctene-11,3'-[1,2,5]thiadiazolidine],
5'-(2,2-dimethylpropyl)-2-[5-(4-fluorophenyl)-1-methyl-1H-pyrazol-3-yl]5,6,7,8,9,10-hexahydro-, 1',1'-dioxide, (3'R,65,9R)-rel- (CA INDEX NAME)

Relative stereochemistry.

ANSWER 1 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

689255-06-9 CAPLUS
Spirof(6,9-methanobenzocyclooctene-11,3'-{1,2,5}thiadiazolidine},
5'-butyl-2-[5-(4-fluorophenyl)-1-methyl-1H-pyrazol-3-yl]-5,6,7,8,9,10hexahydro-, 1',1'-dioxide, (3'R,6S,9R)-rel- (CA INDEX NAME)

Relative stereochemistry.

689255-14-9 CAPLUS
Spiro[6,9-methanobenzocyclooctene-11,3'-[1,2,5]thiadiazolidine],
5'-(cyclopropylmethyl)-2-[5-(4-fluorophenyl)-1-methyl-1H-pyrazol-3-yl]5,6,7,8,3,10-hexahydro-, 1',1'-dioxide, (3'R,65,9R)-rel- (CA INDEX NAME)

689255-21-8 CAPLUS Spiro[6,9-methanobenzocyclooctene-11,3'-[1,2,5]thiadiazolidine], 2-[5-{4-fluorophenyl}-1-methyl-1H-pyrazol-3-yl]-5,6,7,8,9,10-hexahydro-5'-{3,3,3-trifluoropropyl}-,1',1'-dioxide, {3'R,65,9R}-rel- (CA INDEX NAME)

Relative stereochemistry.

689255-26-3 CAPLUS Spiro[6,9-methanobenzocyclooctene-11,3'-[1,2,5]thiadiazolidine], 2-[5-(4-fluorophenyl)-1-methyl-1H-pyrazol-3-yl]-5,6,7,8,9,10-hexahydro-5'-(1-methyl-thyl)-, 1',1'-dioxide, (3'R,65,9R)-rel- (CA INDEX NAME)

Relative stereochemistry.

ANSWER 1 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN

689255-45-6 CAPLUS
Spiro(6,9-methanobenzocyclooctene-11,3'-[1,2,5]thiadiazolidine),
5'-(2,2-difluoroethyl)-2-[5-(4-fluorophenyl)-1-methyl-1H-pyrazol-3-yl]5,6,7,8,9,10-hexahydro-, 1',1'-dioxide, (3'R,65,9R)-rel- (CA INDEX NAME)

Relative stereochemistry.

689255-50-3 CAPLUS Spiro[6,9-methanobenzocyclooctene-11,3'-{1,2,5}thiadiazolidine}, 5'-cyclopropy1-2-{5-(4-flucropheny1)-1-methy1-1H-pyrazol-3-y1}-5,6,7,8,9,10-hexahydro-, 1',1'-dioxide, (3'R,65,9R)-rel- (CA INDEX NAME)

Relative stereochemistry.

ANSWER 1 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN '

689255-31-0 CAPLUS
Spiro[6,9-methanobenzocyclooctene-11,3'-[1,2,5]thiadiazolidine],
5'-(1,1-dimethylethyl)-2-[5-(4-fluorophenyl)-1-methyl-1H-pyrazol-3-yl]5,6,7,8,9,10-hexahydro-, 1',1'-dioxide, (3'R,65,9R)-rel- (CA INDEX NAME)

Relative stereochemistry.

689255-38-7 CAPLUS
Spiro[6,9-methanobenzocyclooctene-11,3'-[1,2,5]thiadiazolidine],
2-[5-{4-fluorophenyl}-1-methyl-1H-pyrazol-3-yl]-5,6,7,8,9,10-hexahydro-5'(2,2,3,3,3-pentafluoropropyl)-, 1',1'-dioxide, (3'R,65,9R)-rel- (CA INDEX NAME)

Relative stereochemistry.

ANSWER 1 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN

689255-54-7 CAPLUS
Spiro(6,9-methanobenzocyclooctene-11,3'-[1,2,5]thiadiazolidine),
2-[5-(4-fluorophenyl)-1-methyl-1H-pyrazol-3-yl]-5,6,7,8,9,10-hexahydro-,
1',1'-dioxide, (6R,9S,11S)-rel- (9CI) (CA INDEX NAME)

689255-57-0 CAPLUS
Spiro[6,9-methanobenzocyclooctene-11,3'-[1,2,5]thiadiazolidina],
1-fluoro-2-[5-(4-fluorophenyl)-1-methyl-1H-pyrazol-3-yl]-5,6,7,8,9,10hexahydro-5'-(2,2,2-trifluoropthyl)-, 1',1'-dioxide, (3'R,65,9R)-rel- (CA
INDEX NAME)

689255-60-5 CAPLUS
Spirof6,9-methanobenzocyclooctene-11,3'-[1,2,5]thiadiazolidine],
2-fluoro-3-[5-(4-fluorophenyl)-1-methyl-1H-pyrazol-3-yl)-5,6,7,8,9,10-hexahydro-5'-(2,2,2-trifluoroethyl)-, 1',1'-dioxide, (3'R,65,9R)-relINDEX NAME

### Relative stereochemistry.

689255-69-4 CAPLUS
Spiro[6,9-methanobenzocyclooctene-11,3'-[1,2,5]thiadiazolidin]-2-ol,
3-[5-{4-fluorophenyl}-1-methyl-1H-pyrazol-3-yl]-5,6,7,8,9,10-hexahydro-5'(2,2,2-trifluoroethyl)-, 1',1'-dioxide, (3'R,6R,9S)-rel- (9CI) (CA INDEX NAME)

### Relative stereochemistry.

L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:
DOCUMENT NUMBER:
139:381490
139:381490
Preparation of spirocyclic [1,2,5]thiadiazole derivatives as y-secretase inhibitors for treatment of Alzheimer's disease
Collins, Ian James; Cooper, Laura Catherine; Harrison, Timothy; Kaown, Linda Elizabeth; Madin, Andrew; Ridgill, Mark Peter
Merck Sharp & Dohme Limited, UK
POT Int. Appl., 133 pp.
CODE:
DOCUMENT TYPE:
LANGUAGE:
FAMILY ACC. NUM. COUNT:
PATENT INFORMATION:

LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

PA:	TENT	NO.			KIN	D	DATE										
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US	2006	1730	54		A1		2006	0803	- 1	US 2	2006-	3668	66		2	0060	302
US	7282	513			B2		2007	1016									
PRIORIT	Y APP	LN.	INFO	. :					- 1	GB 2	2002-	9996		i	A 2	0020	501
										GB 2	2002-	2387	3		A 2	0021	014
									1	US 2	2002-	4246	08P	1	P 2	0021	107
											2003-						
									1	US 2	2004-	5128	10		A1 2	0041	025

MARPAT 139:381490 OTHER SOURCE(S):

ANSWER 1 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN

THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT REFERENCE COUNT:

ANSWER 2 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

The title compds. I [wherein X = an (un)substituted bivalent pyrazole, imidazole, triazole, oxazole, isoxazole, thiazole, isothiazole, thiadiazole, or 1,3,4-oxadiazole, R = CF3, (un)substituted aliphatic hydrocarbyl, heterocyclyl, Ph, heteroaryl, or aminol and pharmacoutically acceptable salts thereof are prepared I are inhibitors of the processing of APP by y-secretase, and are useful in the treatment or prevention of Alzheimer's disease (no data). For example, the compound II was prepared

multi-step synthesis. Some of compound I have EDSO of <1 nM against y-secretase.
623576-34-1P
RL: PAC (Pharmacological activity), PUR (Purification or recovery), SPN (Synthetic preparation), THU (Therapeutic use), BIOL (Biological study), PRFP (Preparation), USES (Uses) (drug candidate, preparation of thiadiazole derivs. as y-secretase inhibitors for treatment of Alzheimer's disease)
623576-34-1 CAPLUS
Spirof(6, 9-methanobenzocyclooctene-11,3'-(1,2,5)thiadiazolidine), 2-(5-(4-fluorophenyl)-lH-pyrazol-3-yl)-5,6,7,8,9,10-hexahydro-5'-(2,2,2-trifluoroethyl)-, 1',1'-dioxide, (3'R,6S,9R)- (CA INDEX NAME)

# Absolute stereochemistry.

623576-33-0P
RL: PAC (Pharmacological activity), RCT (Reactant), SPN (Synthetic preparation), THU (Therapautic use), BlOL (Biological study), PREP (Preparation), RACT (Reactant or reagent), USES (Uses) (drug candidate, preparation of thiadiazole derive, ss \(\gamma\)-secretase inhibitors for treatment of Alzheimer's disease)
623576-33-0 CAPLUS
Spiro(6,9-methanobenzocycloctene-11,3'-[1,2,5]thiadiazolidine],
2-[5-(4-[duorophenyl]-1H-pyrazol-3-yl]-6,6,7,8,9,10-heahalydro-5'-(2,2,trifluoroethyl)-, 1',1'-dioxide, (3'R,65,9R)-rel- (CA INDEX NAME) ΙT

- (2, 2, 2-

623576-36-3P 623576-37-4P 623576-74-9P
623576-75-0P 623576-76-1P 623576-78-3P
623576-79-4P 623576-80-7P 623576-81-8P
623576-92-9P 623576-83-0P 623576-86-3P
623576-92-1P 623576-88-5P 623576-96-5P
623576-92-1P 623576-95-4P 623576-96-5P
623576-97-6P 623576-98-7P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(drug candidate; preparation of thiadiazole derivs. as y-secretase inhibitors for treatment of Alzheimer's disease)
623576-36-3 CAPLUS
Spirol(6, 9-methanobenzogyclocotene-11, 3'-[1,2,5] thiadiazolidine],
2-[5-(4-fluorophenyl)-1-methyl-1H-pyrazol-3-yl]-5,6,7,8,9,10-hexahydro-5'-(2,2,2-trifluoroethyl)-, 1',1'-dioxide, (3'R,6S,9R)- (CA INDEX NAME)

### Absolute stereochemistry.

CAPLUS Spiro[6,9-methanobenzocyclooctene-11,3'-[1,2,5]thiadiazolidine],
2-[3-(4-fluorophenyl)-1-methyl-1H-pyrazol-5-yl]-5,6,7,8,9,10-hexahydro-5'(2,2,2-trifluoroethyl)-, 1',1'-dioxide, (3'R,65,9R)- (CA INDEX NAME)

### Absolute stereochemistry.

# ANSWER 2 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN

623576-76-1 CAPLUS
Spiro(6,9-methanobenzocyclooctene-11,3'-[1,2,5]thiadiazolidine),
2-[1-ethyl-5-(4-fluorophenyl)-1H-pyrazol-3-yl]-5,6,7,8,9,10-hexahydro-5'(2,2,2-trifluoroethyl)-, 1',1'-dioxide, (3'R,65,9R)-rel- (CA INDEX NAME)

# Relative stereochemistry.

623576-78-3 CAPLUS
Spirof (6,9-methanobenzocyclooctene-11,3'-[1,2,5] thiadiazolidine],
2-{5-(4-chloropheny)-1-methyl-1H-pyrazol-3-yl}-5,6,7,8,9,10-hexahydro-5'(2,2,2-trifluoroethyl)-, 1',1'-dioxide, (3'R,65,9R)-rel- (CA INDEX NAME)

# Relative stereochemistry.

L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

623576-74-9 CAPLUS
Spiro[6,9-methancbenzocyclooctene-11,3'-[1,2,5]thiadiazolidine],
2-[5-[2-fivoropheny]-1-methy]-1H-pyrazol-3-yl]-5,6,7,8,9,10-hexahydro-5'(2,2,2-trifluoroethyl)-, 1',1'-dioxide, (3'R,65,9R)-rel- (CA INDEX NAME)

### Relative stereochemistry.

623576-75-0 CAPLUS
Spiro(6,9-methanobenzocyclooctene-11,3'-[1,2,5]thiadiazolidine],
2-[5-[3-[1]uoropheny]-1-methyl-1H-pyrazol-3-yl]-5,6,7,8,9,10-hexahydro-5'(2,2,2-trifluoroethyl)-, 1',1'-dioxide, (3'R,6S,9R)-rel- (CA INDEX NAME)

### Relative stereochemistry.

#### L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

623576-79-4 CAPLUS
Spiro[6,9-methanobenzocyclooctene-11,3'-[1,2,5]thiadiazolidine],
2-[5-(2,4-dichlorophenyl)-1-methyl-1H-pyrazol-3-yl]-5,6,7,8,9,10-hexahydro-5'-(2,2,2-trifluoroethyl)-, 1',1'-dioxide, (3'R,6S,9R)-rel- (CA INDEX NAME)

# Relative stereochemistry.

623576-80-7 CAPLUS
Spiro[6,9-methanobenzocyclooctene-11,3'-[1,2,5]thiadiazolidine],
2-[5-(2,4-difluorophenyl)-1-methyl-1H-pyrazol-3-yl]-5,6,7,8,9,10-hexahydro-5'-(2,2,2-trifluoroethyl)-, 1',1'-dioxide, (3'R,6S,9R)-rel- (CA INDEX NAME)

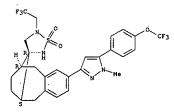
RN 623576-81-8 CAPLUS
CN Spiro[6,9-methanobenzocyclooctene-11,3'-[1,2,5]thiadiazolidine],
2-[5-(4-fluorophenyl)-1-(2,2,2-trifluoroethyl)-H-pyrazol-3-yl]5,6,7,8,9,10-hexahydro-5'-(2,2,2-trifluoroethyl)-, 1',1'-dioxide,
(3'R,6S,9R)-rel- (CA INDEX NAME)

# Relative stereochemistry.

RN 623576-82-9 CAPLUS
CN Benzonitrile, 4-[3-[(3'R,65,9R)-5,6,7,8,9,10-hexahydro-1',1'-dioxido-5'-(2,2,2-trifluoreethyl)=piro[6,9-methanobenzocyclooctene-11,3'[1,2,5]thiadiazolidin]-2-yl]-1-methyl-1H-pyrazol-5-yl]-, relNAME)

### Relative stereochemistry.

L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN (Continued



RN 623576-87-4 CAPLUS Spire[6,9-methanobenzocyclooctene-11,3'-[1,2,5]thiadiazolidine], 2-[5-(3,4-difluorophanyl)-1-methyl-1H-pyrazol-3-yl]-5,6,7,8,9,10-hexahydro-5'-(2,2,2-trifluoroethyl)-, 1',1'-dioxide, (3'R,6S,9R)- (CA INDEX NAME)

# Absolute stereochemistry.

RN 623576-88-5 CAPLUS
CN Spiro[6,9-methanobenzocyclooctene-11,3'-[1,2,5]thiadiazolidine],
5,6,7,8,9,10-hexahydro-2-[1-methyl-5-(3,4,5-trifluoromethylphenyl)-1H-pyrazol-3-yl]-5'-(2,2,2-trifluoroethyl)-, 1',1'-dioxide, (3'R,65,9R)(9CI) (CA INDEX NAME)

# Absolute stereochemistry.

L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

RN 623576-83-0 CAPLUS
Spiro(6,9-methanobenzocyclooctene-11,3'-{1,2,5} thiadiazolidine}, 5,6,7,8,9,10-heahydro-2-(1-methyl-5-phenyl-1H-pyrazol-3-yl)-5'-(2,2,2-trifluoroethyl)-, 1',1'-dioxide, (3'R,63,9R)-rel- (CA INDEX NAME)

### Relative stereochemistry.

RN 623576-86-3 CAPLUS
Spiro[6,9-methanobenzocyclooctene-11,3'-[1,2,5]thiadiazolidine],
5,6,7,8,9,10-hexahydro-2-[1-methyl-5-(4-(trifluoromethoxy)phenyl]-1Hpyrazol-3-yl]-5'-(2,2,2-trifluoroethyl)-, 1',1'-dioxide, (3'R,63,9R)- (CA
INDEX NAME)

### Absolute stereochemistry.

L4 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN (Continued)

RN 623576-90-9 CAPLUS
CN Spire[6,9-methanobenzocyclooctene-11,3'-[1,2,5]thiadiazolidine],
2-[5-(4-chlorophenyi)-1-methyl-1H-pyrazol-3-yl]-5,6,7,8,9,10-hexahydro-5'(2,2,2-trifluoroethyl)-, 1',1'-dioxide, (3'R,68,9R)- (CA INDEX NAME)

# Absolute stereochemistry.

RN 623576-92-1 CAPLUS
CN Spiro(6,9-methanobenzocyclooctene-11,3'-{1,2,5}thiadiazolidine},
2-{5-(2,4-difluorophenyl)-1-methyl-1H-pyrazol-3-yl}-5,6,7,8,9,10-hexahydro-5'-{2,2,2-trifluoroethyl}-, 1',1'-dioxide, (3'R,6S,9R)- (CA INDEX NAME)

# Absolute stereochemistry.

623576-95-4 CAPLUS Spiro[6,9-methanobenzocyclooctene-11,3'-[1,2,5]thiadiazolidine], 2-[5-(3-chloro-4-fluorophenyl)-1-methyl-1H-pyrazol-3-yl]-5,6,7,8,9,10-hexahydro-5'-(2,2,2-trifluoroethyl)-, 1',1'-dioxide, (3'R,65,9R)- (CAINDEX NAME)

Absolute stereochemistry.

623576-96-5 CAPLUS
Spiro[6,9-methanobenzocyclooctene-11,3'-[1,2,5]thiadiazolidine],
2-[5-[3,4-dichlorophenyl]-1-methyl-1H-pyrazol-3-yl]-5,6,7,8,9,10-hexahydro-5'-[2,2,2-trifluoroethyl]-, 1',1'-dioxide, (3'R,6S,9R)- (CA INDEX NAME)

Absolute stereochemistry.

ANSWER 2 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN

REFERENCE COUNT:

THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

623576-97-6 CAPLUS
Spiro[6,9-methanobenzocyclooctene-11,3'-[1,2,5]thiadiazolidine],
5,6,7,8,9,10-hexahydro-2-[1-methy1-5-[4-(trifluoromethy1)pheny1]-1Hpyrazol-3-y1]-5'-[2,2,2-trifluoroethy1)-, 1',1'-dioxide, (3'R,6S,9R)INDEX NAME)

(CA

Absolute stereochemistry.

623576-98-7 CAPLUS
Spiro[6,9-methanobenzocyclooctene-11,3'-[1,2,5]thiadiazolidine],
5,6,7,8,9,10-hexahydro-2-[1-methyl-5-(4-methylphenyl)-1H-pyrazol-3-yl]-5'(2,2,2-trifluoroethyl)-, 1',1'-dioxide, .(3'R,6S,9R)- (CA INDEX NAME)

L4 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:
DOCUMENT NUMBER:
TITLE:
Synthesis of sulfonamido-substituted bridged
bicycloalkyl derivatives as y-secretase
inhibitors
Collins, Ian James, Hannam, Joanne Claire; Harrison,
Timothy, Levis, Stephen John, Madin, Andrew, Sparey,
Timothy, Jason, Williams, Brian John
McCk Sharp & Dohne Limited, UK
POT Int. Appl., 151 pp.
CODEN TYPE:
DOCUMENT TYPE:
DOCUMENT TYPE:
DANGUAGE:
FAMILY ACC. NUM. COUNT:
PATENT INFORMATION:
English
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DOCUMENT TYPE: LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

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EP	1334 1334	085			A1		2003	0813		EP 2	001-	9786	52		2	0011	029
EP	1334	085			B1		2005	0824									
	R:	AT,	BE,	CH,	DE,	DK,	ES,	FR,	GB,	GR,	IT,	LI,	LU,	NL,	SE,	MC,	PT,
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										WO 2	001-	GB48	17		/ 2	0011	029

OTHER SOURCE(S):

MARPAT 136:369505

Title compds. I [A, B = (CXY)p, (CXY)qCY-CY(CXY)r, (CXY)xNR13(CXY)y, etc., X = halo, R9, OR9, SR9, S(O)1-2R10, OSO2R9, N(R9)2, COR9, CO2R9, etc., Y = H, alkyl or X, Y together = 0, S, N-OR11, CRR11, provided neither A nor B comprises more than one CXY moiety which is other than CH2, p = 1-6, q, r, x, y = 0-2; provided that at least one of A and B comprises a chain of 2 or more atoms, such that the ring completed by A and B contains at least 5 atoms; R1 = H, alk(en)yl or R1 and R15 together may complete a 5-, 6- or 7-membered cyclic sulfamide; R2 = H, Cl, alkyl, aryl, aryl-alkyl, cycloalkyl, acyl, etc., R9 = H or R10 or two R9 groups together with a nitrogen atom to which they are mutually attached may complete a pyrrolidine, piperidine, piperazine, etc., R10 = alkyl, perfluoroalkyl, cycloalkyl, stc., R11 = H, alkyl, etc., R14 = H, alkyl, or R15 and R1 together complete a 5-, 6- or 7-membered cyclic sulfamide) were prepared over 150 synthetic examples were disclosed. For instance, prior art amine II was sulfonylated with catechol sulfate and the intermediate treated with n-PrNH2 (dioxans, 80°C, 1) ht og give III. I are inhibitors of y-secretase and are cytotoxic with EC50 < 10 µM for human app655. Compds. of the invention are useful in the treatment of and/or prevention of Alzheimer's disease. (23168-61-0P R1: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) (drug; synthesis of sulfonamido-substituted bridged bicycloalkyl derive. as y-secretase inhibitors) (3:16, 2:5, thiadiazolidine), 2-[5-(4-fluorophenyl)-1H-pyrazol-3-yl]-5, 6, 7, 8, 9, 10-hexahydro-5'-propyl-, 1', 1'-dioxide, (3:7, 6.5, 9R)-re1- (CA INDEX NAME)

Relative stereochemistry.

ANSWER 3 OF 3 CAPLUS COPYRIGHT 2007 ACS on STN

REFERENCE COUNT:

THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> log y COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	16.28	188.59
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-2.34	-2.34

STN INTERNATIONAL LOGOFF AT 13:46:11 ON 17 OCT 2007